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Yuichiro [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP).

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(74) Agents: HIRAKI, Yusuke et al.; Kamiya-cho MT
Bldg. 19F, 3-20, Toranomon 4-chome, Minato-ku, Tokyo
1050001 (JP).

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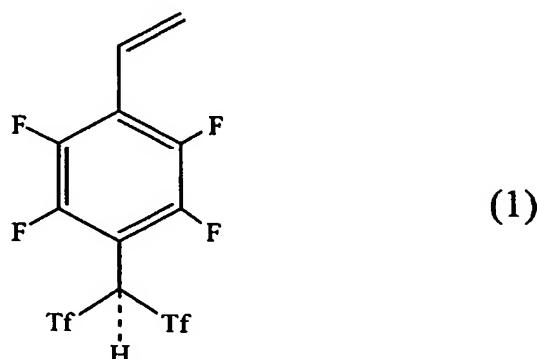
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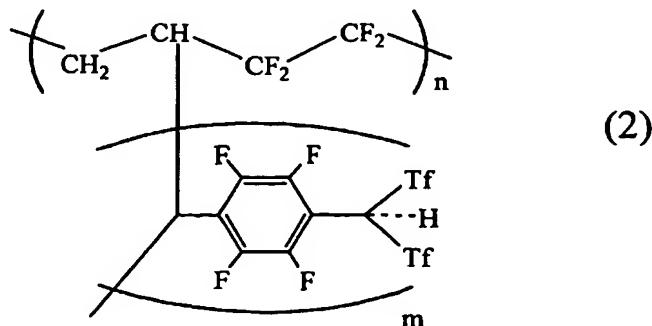
(72) Inventor; and
(75) Inventor/Applicant (*for US only*): SUGIYAMA,

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(54) Title: MONOMER COMPOUND, GRAFT COPOLYMER COMPOUND, PRODUCTION METHOD THEREOF, POLYMER ELECTROLYTE MEMBRANE, AND FUEL CELL



(57) Abstract: A novel polymer electrolyte is provided that enables a solid polymer electrolyte used in fuel cells, for example, to have sufficient proton conductivity even in a low-water-content state or a zero-water-content state by using a monomer compound represented by the general formula (1), and a graft copolymer compound in which the monomer compound represented by the general formula (1) is graft-copolymerized to the main chain of a fluorine-containing hydrocarbon polymer. Tf indicates a trifluoromethane sulfonyl group (-SO₂CF₃).





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